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## INITIATION PLAN FOR A GEF PROJECT PREPARATION GRANT (PPG)

**Project Title: Integrated municipal management model of household and similar waste with low greenhouse gas emissions – Eucalyptus Municipality**

**Country: ALGERIA**

CdCS/CPD (UNDAF) Outcome N°4 : « La protection des ressources naturelles, la gestion durable de l'environnement, la lutte contre la pollution et la protection contre les effets des changements climatiques et catastrophes naturelles sont améliorées ». Il contribue particulièrement aux résultats suivants relatifs aux Changements Climatiques :

- Output 21 (EDD2) : D'ici 2014, les institutions nationales auront amélioré leurs connaissances en matière d'énergies renouvelables et d'efficacité énergétique ;
- Output 22 (EDD3) : D'ici 2014, des mesures d'adaptation aux effets des Changements Climatiques seront développées par les institutions dans le cadre stratégique national – Un programme intégré pour le renforcement des capacités institutionnelles dans la mise en œuvre des différents plans et programmes nationaux, dont le Plan National d'Action et d'Adaptation aux Changements Climatiques (PNA-ACC) 2003, le Programme National de Gestion Intégrée des Déchets Solides Municipaux (PROGDEM) et le Programme d'Action National de Lutte Contre la Désertification (PAN-LCD), est en place.

**Initiation Plan Start Date: 1 April 2014**

**Initiation Plan End Date: 31 March 2015**

ATLAS Project Award (proposal): 00079393  
ATLAS Project ID: 00089387  
PIMS Project ID: 5329  
Management Arrangement: DIM-UNDP Algeria

Total budget: 100,000 US\$  
Allocated resources:  
• GEF 100,000 US\$

**AGREED BY UNDP RESIDENT REPRESENTATIVE**

*Resident Representative*

Cristina Amaral

*Signature*



Date: 10/04/2014

## A. Brief Description of Initiation Plan:

The GEF project is designed to address the weaknesses identified in the baseline. It is targeted at the municipal scale so as to cover all the components of the waste value-chain and to be easily replicated nationwide under the National Programme for the Management of Municipal Waste (PROGDEM).

During the initiation plan period, a number of stakeholder consultations will be undertaken with the view to further develop the approved project concept (see GEF PIF attached) into a fully formulated project document. The final output of the initiation plan will be a UNDP-GEF project document, a GEF CEO endorsement request, a UNDP Environment & Social Safeguards Screening and a GEF climate change mitigation Tracking Tool, all ready for submission to UNDP and GEF. UNDP Algeria will lead the project preparation process and manage the PPG budget. In coordination with the Ministry of Land Planning and Environment (MATE), UNDP will be responsible for: the selection and recruitment of PPG consultants, developing ToRs, arranging travel and meetings, and project disbursements.

The approach of the PPG is a fully participatory one combined with capacity building of stakeholders to ensure optimum project design and to facilitate the endorsement of the full-size project for final submission. Aside from generating information and undertaking the necessary participatory processes, it will establish the baseline and GEF incremental benefits for the project as well as clarify stakeholder inputs, roles and responsibilities, and co-financing. Assessments will be conducted to complete baseline information, identify the best institutional and management arrangements for the implementation of the project, undertake the detailed costing and design of the project, facilitate agreement on impact indicators and engage key stakeholders.

Regular consultations and workshops will be carried out with stakeholders: 16 ministries, including the Ministry of Interior & Local Authorities, the Ministry of Energy & Mines, Wilaya of Algiers, Ministry of Agriculture and Rural Development (MADR), Ministry of Communication, Ministry of Labour, Employment and Social Security, Ministry of Industrial Development and Investment Promotion, Ministry of National Education, Ministry of Training and Vocational Education, Ministry of Higher Education and Scientific Research (MERS), Recycling firms, Representatives of civil society in Eucalyptus, Municipality of Eucalyptus.

## B. Project preparation activities:

### A. Component A: Technical review

#### 1. Technical Studies

- Baseline assessment for the waste-sector greenhouse gas emissions profile of Eucalyptus Municipality. Since the PIF was elaborated in a very limited period, involving multiple stakeholders and leaving little time to perform a detailed assessment of the Eucalyptus municipality greenhouse gas emission profile from domestic waste, a new assessment, based on the exact number of packer trucks, precise distances to the Hamissi Engineered Landfill, an assessment of waste composition, and more accurate weight estimate of domestic waste, will be required. This should be done in close cooperation with the Eucalyptus municipal staff, in particular with the Mayor and the Head of the Waste sector.
- Analysis from similar examples of municipal waste sorting of the risk of inadequate waste sorting at household level, the associated costs, and how the project can address such measures (e.g. through ex ante mitigation or ex post response). Source sorting not being yet implemented at municipal level in Algeria and within the Eucalyptus municipality, and so the risk exists of having inadequate (not implemented or not correctly implemented) waste sorting by households. The PPG phase will provide

details on all the components planned to reduce this risk (inter-sectoral communication campaign, municipal contribution with incentives, identification of a network of dry waste pickers from the different neighborhoods with close contact with the households, provision of transparent plastic bags and implementation of a token system for each well sorted bag exchangeable for prizes, trommel integrated in the new municipal dry waste sorting unit to screen the sorting errors, specific training and support of the dry waste picker network by the dry waste sorting unit, etc.). This will be done through (i) workshop(s) and exchanges with the corresponding stakeholders involved in each of these components, in particular with the representatives of the Ministries involved in the project, the Eucalyptus municipal team and the representatives of the recycling plants existing in the municipality; and (ii) reference to experiences with household waste sorting schemes in other countries and how they have addressed inadequate household waste sorting. Further, adaptive measures for the household-level waste sorting will be considered during the PPG phase, so that alternative approaches to sorting can quickly be adopted if the mitigation measures that are put in place prove ineffective.

- Exploration of technical specifications and costs of the sorting plant and the waste treatment (biomethanation) plant, including validation of PIF cost estimates. Precise details of the Sorting and Methanation-Composting plants will be elaborated by a specialist during the PPG phase, with technical specification of equipment. Providers of equipment - abroad and in Algeria - will be contacted to provide a more precise cost estimate for the 2 plants. Further work will be undertaken during the PPG phase to elaborate the design options for GEF support.
- Managing variations in heat demand. Estimated thermal energy produced by the co-generator of the Methanation-Composting plant should be quantified on the basis of reviewed domestic fermentable waste inputs. Furthermore, the different options for locally using the thermal energy produced by the co-generator will be evaluated (multi-span greenhouses, nurseries, animal production units such as unit for poultry production, etc.), as well as the need for a buffer water storage in the case of having to manage periods of lower demand. Exchanges with Eucalyptus Mayor and municipal staff and with Ministry of Agriculture and greenhouse providers are required to define the needs and best uses.
- Assessment of compost needs, supply channels and marketing. Compost production by the methanation-composting plant will be precisely assessed on the basis of reviewed fermentable domestic waste inputs (estimated in the PIF on the basis of approximations provided by Eucalyptus municipal staff). Compost needs for vegetable and citrus fruit production in the agricultural Mitidja area bordering the Eucalyptus municipality, which were mapped during the PIF phase by agronomists, will need to be reviewed in detail. A brief compost market study will be performed during the formulation phase with the support of the Ministry of Agriculture.

Analysis of options for the technical standards that will be developed and enforced to govern the characteristics of the compost produced. Technical standards to be met for the compost produced by the methanation-composting plant from fermentable domestic waste and municipal green waste will be specified during the formulation phase. For this purpose, standards such as the French NFU 44-051 will be analyzed with the support of the Algerian Organization for Standardization, IANOR, and the Ministry of Agriculture.

- Analysis and detailed stakeholder consultations on options for incentivising or compelling other Algerian municipalities to adopt the Eucalyptus waste management model, including a cost assessment of doing so, an assessment of municipalities' financial resources, and potential municipal support mechanisms provided at national level. Scale-up and replication mechanisms will be detailed during the PPG phase. Global costs for the dry waste sorting plant and fermentable waste processing plant, as well as for the implementation of domestic waste source sorting by households, dry waste pickers network, etc., will be determined and related to municipal budgets (to assess affordability).

Financial mechanisms accessible by municipalities will be detailed and measures to be taken at government level identified. Analysis with Eucalyptus municipality, Ministry of Finance and Ministry of Interior, will be performed.

- The possibility of having observers from universities and from municipalities was mentioned during the identification phase. This will be explored in detail with relevant stakeholders during the PPG phase.
2. Assessment of Environmental & Social Risks – as identified in the UNDP pre-screening document and other risks as appropriate. Environmental and social risks, as identified in the PIF phase, require a deeper assessment. This will be performed in workshops with the ministries involved in the project.
  3. Institutional mapping
    - Detailed institutional mapping and allocation of roles/responsibilities across the 16 participating ministries, the municipality and other stakeholders. Detailed institutional mapping and allocation of roles and responsibilities for each component and sub-component of the project will be provided in the PPG phase. This will be performed in conjunction with the stakeholders involved in the project.
    - In the framework of the UNFCCC Conference of the Parties (COP), Algeria developed its 2nd National communication on Climate Change (validated in a national workshop on October 07, 2010). In the SNC, an inventory of GHG emissions at the level of all sectors was carried out. This will be referred to during project preparation.
    - Through its programme on Renewable Energy and Energy Efficiency, the Ministry of Energy and Mines initiated a green energy programme. The programme will install power of renewable origin of nearly 22,000 MW between 2011 and 2030. Although relying strongly on solar, it wishes to promote other forms of renewable energy, amongst others cogeneration (MEM, 2011). In the context of Executive Decree No. 13-218 of June 18, 2013, the MEM promotes the production of electricity generated from waste (Art. 4-1) and any hybrid facility whose annual production of electricity from renewable energy reaches at least 5% of its total annual production (Art. 4-2), as well as any cogeneration plant whose installed power does not exceed 50 MW. This decree stipulates that the producer of electricity from the listed facilities may benefit from the rates of purchase guaranteed under the special scheme if they connect their facility to the transport network or to the electricity distribution network. The relevance and applicability of this scheme to the GEF project will be assessed during the PPG phase.

During the PPG phase, it will necessary to address critical points that must involve all the concerned sectors:

- Awareness-raising of farmers on the use of compost derived from waste (MADR)
- Granting of land for the construction of the 2 units
- Definition of units' legal form by MATE / Wilaya / Municipality
- Small and medium enterprise promotion by Ministry of industry / MERS
- Working capital for the 2 units: MICAL / Wilaya / Municipality
- Training of professionals for the management of sorting and methanation-composting units: MERS
- Research on sorting and composting: MERS
- Outlets for the recycling of sorted material: MATE / Ministry of Industry / Ministry of Commerce
- Labelling of recycled products: Ministry of Commerce

The Government has a very high interest in promoting the pilot project, provided that the 2 plants yield the expected results, since, even with the new engineered landfills, the need for landfill sites remains significant and the volume of waste nationally has to be drastically reduced. The Algiers

Wilaya Environment Department (DEW) will assist with integration with other Algiers municipalities, which is a part of the programme of “solidarity among municipalities”. Representative directors of CET (Corso and Hamissi) will be part of the various preparatory meetings for the project.

**B. Component B: Institutional arrangements, monitoring and evaluation**

The outputs of Component A will be used as technical input to Component B for the formulation of the UNDP-GEF project document.

- I. Finalization of project results framework: Further define the results framework with appropriate objective-level and outcome-level quantitative and qualitative SMART **Erreur ! Signet non défini.** indicators, and end-of-project targets. Special attention will be made to include socio-economic and sex-disaggregated indicators.
- II. Definition of monitoring and evaluation (M&E): A detailed M&E work plan will be developed, including clear identification of responsibilities and accountabilities, as well as an appropriate M&E budget. The plan will be based on the standard template provided in the UNDP-GEF project document template that reflects the mandatory requirements of the GEF M&E Policy.
- III. Define sustainability plan: The sustainability plan will outline the principles and guidelines for ensuring the long-term sustainability of project achievements. It will also outline an exit strategy, seeking the continuation of key activities/achievements without the need of long-term international financing.
- IV. Definition of management arrangements: The organisational structure governing the project will be decided. This will include identification of the project board.

Stakeholder consultations during Component B: Involve key agencies in the development of the project strategy to ensure a strong national ownership. In close collaboration with key government representatives and other stakeholders ensure full participation in the development of the project results framework and ensure agreement on the project objectives and outcomes. Undertake consultations to secure agreement(s) on project implementation arrangements, including roles, responsibilities, and accountabilities of lead and partner agencies. Document these consultations.

**C. Component C: Financial planning and co-financing investments:**

- I. Prepare a detailed multi-year budget following the standard template provided in the UNDP-GEF project document template that reflects the mandatory requirements of the GEF M&E Policy.
- II. Explore multilateral and bilateral co-financing opportunities Undertake a series of consultations with partners to ensure a coherent and sustainable financing package for the project, including post-GEF grant phase. Obtain signed co-financing letters as detailed in the PIF.
- III. Ensure completion of required official endorsement letters: An official endorsement letter was signed by the GEF Operational Focal Point of the Government.
- IV. Stakeholder consultations during Component C: Ministry of Foreign Affairs, Ministry of Finance, Ministry of Land Planning and Environment and all the stakeholders that will provide in-kind contributions.

D. **Component D: Validation workshop**

A validation workshop will gather representatives from all relevant stakeholders to present, discuss and validate the final draft project document.

**C. Total Budget and Work Plan:**

<b>Award ID: (proposal)</b>	00079393
<b>Award Title:</b>	Household waste
<b>Business Unit:</b>	DZA10
<b>Project Title:</b>	Integrated municipal management model of household and similar waste with low greenhouse gas emissions – Eucalyptus
<b>Project ID:</b>	Municipality 00089387
<b>Implementing Partner (Executing Agency)</b>	UNDP

GEF Outcome/Atlas Activity	Responsible Party/	Fund ID	Donor Name	Atlas Budgetary Account Code	ATLAS Budget Description	Amount 2014 (USD)	Amount 2015 (USD)	Amount US\$	Budget note
Project preparation grant to finalize the UNDP-GEF project document for project "Integrated municipal management model of household and similar waste with low greenhouse gas emissions – Eucalyptus Municipality"	UNDP	62000	GEF TRUSTEE	71200	International Consultants	40,000	5,000	45,000	1
				71300	Local Consultants	20,000	5,000	25,000	2
				71600	Travel	4,000		4,000	3
				74500	Miscellaneous Expenses	800	200	1,000	4
				75700	Workshops and Trainings	20,000	5,000	25,000	5
					<b>PROJECT TOTAL</b>	<b>84,800</b>	<b>15,200</b>	<b>100,000</b>	

**BUDGET NOTES**

1. This line will be used to pay the international consultant who will draft the full-size project proposal.
2. The costs of national consultant who will work with the international consultant to collect information, organize workshops, etc.
3. Travel of international and national consultant
4. Miscellaneous costs
5. Cost of organization and supplies for the project scoping workshops coupled with capacity-building on GEF project preparation and relevant concepts

**Annex 1: GEF CEO PIF approval letter**



**Nasako Ishii, PhD**  
*Chief Executive Officer and Chairperson*

1011 H Street, NW  
 Washington, DC 20037 USA  
 Tel: 202-473-3200  
 Fax: 202-328-0206  
 E-mail: [Nishii@TheGEF.org](mailto:Nishii@TheGEF.org)  
[www.TheGEF.org](http://www.TheGEF.org)

February 05, 2014

Ms. Adriana Dinu  
 GEF Executive Coordinator  
 United Nations Development Programme  
 One United Nations Plaza  
 304 East 45th St.  
 FF Bldg., 10th floor  
 New York, NY 10017

Dear Ms. Dinu:

I am pleased to inform you that I have cleared the project concept detailed below for inclusion in the upcoming work program. I have also approved your request for project preparation grant.

Decision Sought:	Project Identification Form (PIF) Clearance for Work Program Inclusion and Project Preparation Grant (PPG) Approval
GEFSEC ID:	5675
Agency(ies):	UNDP
Agency ID:	5329 (UNDP)
Focal Area:	Climate Change
Project Type:	Full Size Project
Country(ies):	Algeria
Name of Project:	Integrated Municipal Management Model of Household and Similar Waste with Low Greenhouse Gas Emissions
Indicative GEF Project Grant:	\$3,187,671
Indicative Agency Fee:	\$302,829
PPG Grant:	\$100,000
PPG Agency Fee:	\$9,500
Funding Source:	GEF Trust Fund

Break-down of Indicative Agency Fee				
Agency	Trust Fund	40% Fees to be committed at Council Approval	Fees to be committed at CEO Endorsement	Total (US\$)
UNDP	GET	\$121,132	\$181,697	\$302,829

This PIF clearance and PPG approval is subject to the comments made by the GEF Secretariat in the attached project review document. It is also based on the understanding that the project is in conformity with GEF focal areas strategies and in line with GEF policies and procedures.



Ms. Adriana Dimu

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February 05, 2014

Please submit your final project document for my endorsement no later than 18 months after Council approval of the work program.

Sincerely,

  
Nanko Ishii  
Chief Executive Officer and Chairperson

Attachment: GEPSEC Project Review Document  
Copy to: Country Operational Focal Point, GEF Agencies, STAP, Trustee

**Annex 2: Summary of Consultants Financed by the Initiation Plan**

<b>Summary Tasks to be Performed</b>
<b>Local Consultants</b>
<ul style="list-style-type: none"><li>• Assists and acts as point of contact for international consultant.</li></ul>
<ul style="list-style-type: none"><li>• Data collection and desk review of relevant project documentation and background information.</li></ul>
<ul style="list-style-type: none"><li>• Direct consultations with relevant ministries, institutions and other local stakeholders.</li></ul>
<ul style="list-style-type: none"><li>• Organisation and facilitation of stakeholder workshops and capacity-building for project design, scoping and feasibility studies</li></ul>
<b>International consultants</b>
<ul style="list-style-type: none"><li>• Analytical and conceptual project design.</li></ul>
<ul style="list-style-type: none"><li>• In-depth feasibility studies and costing of measures and project activities based on international best practice.</li></ul>
<ul style="list-style-type: none"><li>• Drafting of the full-size project document and accompanying deliverables through an iterative document-writing process, acting on early-draft comments and feedback from the UNDP Country Office, the UNDP Regional Technical Advisor, UNDP HQ and national stakeholders.</li></ul>
<ul style="list-style-type: none"><li>• Capacity-building of partners through targeted advisory services and provision of expertise/training.</li></ul>